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General Electric presents



THE RAPID SEARCH MACHINE GESCAN

UNIQUE FEATURES

Flexibility and simplicity have been merged to satisfy your information search requirements with the Rapid Search Machine:

- Searches natural language tape files at one million words per minute.
- Searches for desired word combinations entered directly via keyboard.
- Produces hardcopy printout of file segments containing desired information.
- Real-time "hit-counter" permits on-line browsing to select effective search terms before printing.
- Free-standing, wired logic device — no software.

TYPICAL APPLICATIONS

- INTELLIGENCE DATA
- LAW ENFORCEMENT
- LEGAL/PATENT FILES
- PUBLISHING, BROADCASTING
- TECHNICAL INFORMATION CENTERS
- PERSONNEL, EMPLOYMENT
- MANY MORE

GESCAN OPERATION

The General Electric Rapid Search Machine is a revolutionary new free-standing information handling device designed expressly to perform high speed versatile search and retrieval of textual data on magnetic tape files.

GESCAN is a digital, solid state, wired logic machine that uses an associative, natural language processor to compare any search request to the entire contents of the tape, word for word, seeking a match.

The output of a search, will be printed in English on the system printer and may be either records, selected sub-records, or up to 990 characters on either side of the matched word or phrase.

The operator, via the console keyboard, inputs his request which is displayed for editing on the console CRT. The CRT also displays in real-time, the number of times a match occurs. This permits on-line browsing to select effective search terms before printing. Simple console operation requires little user/operator training.

The search request, or query, may be linked by the logical connectives "and", "and not", "or", "or not". Erroneous and alternate spellings as well as incomplete words or phrases in the search query are accommodated. These features allow greater system versatility and flexibility to the user.

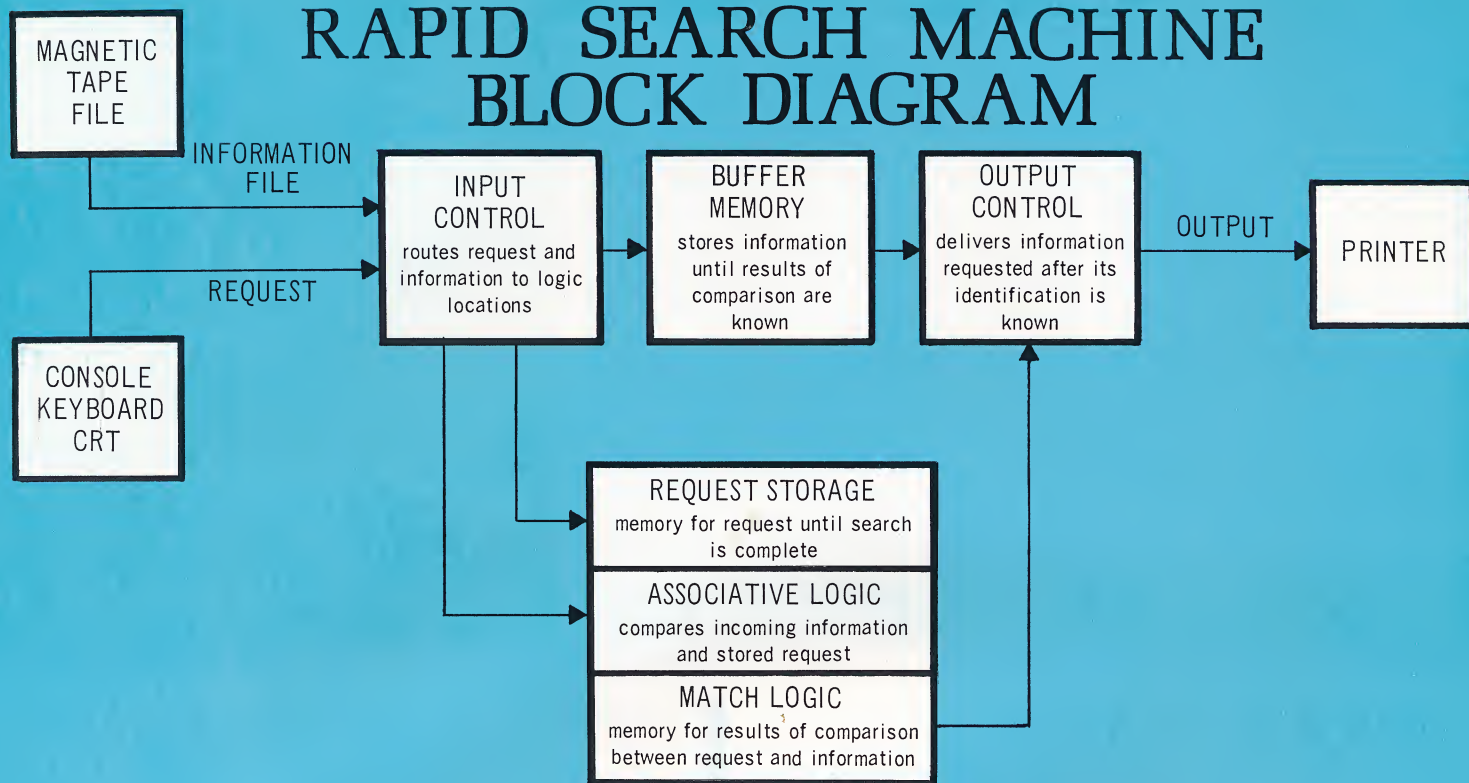
The digital magnetic tape data file to be searched is formatted, simply, into "records" and if desired, "sub-records" which may be any logically complete quantity of information as a report or abstract or both. Records may be in any location on the tape and need not be in any sequence. No physical indexing is necessary and no record gaps are required.

GENERAL  ELECTRIC

GESCAN

RAPID SEARCH MACHINE

BLOCK DIAGRAM



EQUIPMENT SPECIFICATIONS

Console – Keyboard

- Full Alphanumeric – 64 Characters
- Function Control Keys for All Functions

Console – CRT

- 7"×9½" Viewing Area
- Data Entry Monitor

Printer

- 400 Characters per Second, 80 Characters per Line
- Electrostatic (Silent)
- Reproducible Hard Copy

Magnetic Tape Transport

- Standard ½"×2400' Reel
- 800 Bits per Inch, 150 Inches per Second, 120,000 Characters per Second

EQUIPMENT CONFIGURATION

	Wt/Lbs	Size	1ϕ 3 Wire Power (Watts)
Console	400	60×34½×45	315
Equipment Rack	600	21×27×67	1700
Logic Rack	500	26×27×67	360
Tape Transport	500	27×26½×68½	1725

**APOLLO SYSTEMS
SPACE DIVISION**



**FOR PRICE AND FURTHER
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